

# Elements

An International Magazine of Mineralogy, Geochemistry, and Petrology



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## Serpentinities

Guest Editors: Stéphane Guillot and Keiko Hattori



**Serpentinities: Essential Roles in Geodynamics, Arc Volcanism, Sustainable Development, and the Origin of Life**

Stéphane Guillot and Keiko Hattori



**Serpentine: What, Why, Where?**

Bernard W. Evans, Keiko Hattori, and Alain Baronnet



**Rheology and Tectonic Significance of Serpentine**

Greg Hirth and Stéphane Guillot



**Serpentine Carbonation for CO<sub>2</sub> Sequestration**

Ian M. Power, Siobhan A. Wilson, and Gregory M. Dipple



**Nickel Laterite Ore Deposits: Weathered Serpentinities**

Charles R. M. Butt and Dominique Cluzel



**Serpentinities, Hydrogen, and Life**

Thomas M. McCollom and Jeffrey S. Seewald

ABOUT THE COVER:  
The Inuit people of northern Canada have traditionally used serpentine for their carvings.

*Gleeful Bear*  
(53 × 56 × 20 cm),  
by Kelly Qimirpik of Cape Dorset, Nunavut, Canada, courtesy of the Inuit Gallery of Vancouver (www.inuit.com), reproduced with the permission of Dorset Fine Arts.

BACKGROUND IMAGE: vein of serpentine surrounded by garnierite from the Koniombo Massif, New Caledonia

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